

rolling elements, said at least one kind of a rust-preventive additive is present in an amount of 0.1 to 10% by weight based on the total amount of the grease composition, and wherein the thickener is selected from the group consisting of a urea compound, a urea-urethane compound, a urethane compound and mixtures thereof.

8. (New) The rolling bearing as claimed in claim 7, wherein the naphthenate is a saturated monocyclic carboxylate represented by $C_nH_{2n-1}COOM$, a saturated polycyclic carboxylate represented by $C_nH_{2n-3}COOM$, a derivative thereof or a mixture thereof, wherein M represents a metal element; said rolling bearing being adapted for use as electric parts for an automobile.

9. (New) The rolling bearing as claimed in claim 7, wherein the naphthenate is a saturated monocyclic carboxylate represented by $C_nH_{2n-1}COOM$, a saturated polycyclic carboxylate represented by $C_nH_{2n-3}COOM$, a derivative thereof or a mixture thereof, wherein M represents a metal element selected from the group consisting of Zn, Al, Ca, Ba, Li and Mg.

10. (New) The rolling bearing as claimed in claim 9, wherein the succinic acid derivative is a succinic acid, an alkyl succinic acid, an alkyl succinic acid half ester, an alkenyl succinic acid, an alkenyl succinic acid half ester or a succinic acid imide.

11. (New) The rolling bearing as claimed in claim 10, wherein the amount of said at least one kind of the rust-preventive additive based on the total amount of the grease composition is 0.25 to 5% by weight.

12. (New) The rolling bearing as claimed in claim 11, wherein said at least one kind of the rust-preventive agent is a combination of a naphthenic acid compound and a succinic acid compound.

13. (New) The rolling bearing as claimed in claim 12, wherein the naphthenic acid compound is zinc naphthenate and the succinic acid compound is a succinic half ester.

B 14. (New) The rolling bearing as claimed in claim 12, wherein the base oil is at least one of synthetic hydrocarbon oil and ether oil.

15. (New) The rolling bearing as claimed in claim 14, wherein the base oil has a kinematic viscosity at 40°C of 40 to 150 mm²/sec.

16. (New) The rolling bearing as claimed in claim 8, wherein M is selected from the group consisting of Zn, Al, Ca, Ba, Li and Mg.

17. (New) The rolling bearing as claimed in claim 16, wherein the succinic acid derivative is a succinic acid, an alkyl succinic acid, an alkyl succinic acid half ester, an alkenyl succinic acid, an alkenyl succinic acid half ester or a succinic acid imide.

18. (New) The rolling bearing as claimed in claim 17, wherein the amount of said at least one kind of the rust-preventive additive based on the total amount of the grease composition is 0.25 to 5% by weight.

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19. (New) The rolling bearing as claimed in claim 18, wherein said at least one kind of the rust-preventive agent is a combination of a naphthenate acid compound and a succinic acid compound.

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20. (New) The rolling bearing as claimed in claim 19, wherein the naphthenate acid compound is zinc naphthenate and the succinic acid compound is a succinate half ester.

21. (New) The rolling bearing as claimed in claim 20, wherein the base oil is at least one of synthetic hydrocarbon oil and ether oil.

22. (New) The rolling bearing as claimed in claim 21, wherein the base oil has a kinematic viscosity at 40°C of 40 to 150 mm²/sec.